



Professional Audio Service Bulletin

Mincom
Division **3M**
COMPANY

BULLETIN NO. 22

SUBJECT: Logic Board Flip-Flop resistor changes

APPLICABLE TO: All M-79 Logic Boards used with Selectake II

PURPOSE: To assure proper latching of mode control flip-flops.

REQUIRED PARTS: 8 ea. 1.2K ohm, $\frac{1}{4}$ W resistor, 83-1520-0363-4
4 ea. 240 ohm, $\frac{1}{4}$ W resistor, 83-1520-0358-4
1 ea. 3.0K ohm, $\frac{1}{4}$ W resistor, 83-1520-7313-2
4 ea. 39 ohm, 1W resistor, 83-9520-4122-2

PROCEDURE:

1. Replace R8, R9, R20, R21, R36, R41, R47 and R52 with the 1.2K ohm resistors.
2. Replace R10, R19, R37 and R48 with the 240 ohm resistors.
3. Replace R31 with the 3.0K ohm resistor.
4. Add the 39 ohm resistors in series with the following traces on the component side of the board.
 - a. J3-10 to Q1, Q2
 - b. J3-9 to Q5, Q6
 - c. J3-7 to Q12, Q13
 - d. J3-6 to Q16, Q17
5. If this recommended change is incorporated, please alter the Logic Board schematic diagram to reflect this change.

NOTE: This change on the Logic Board must be done in conjunction with the change affecting the Selectake II Processor Board. See Service Bulletin number 23.

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